

Appl. No. 10/669,970  
Amdt. Dated January 6, 2006  
Reply to Office Action of October 6, 2005

**Amendments to the Claims:**

This listing will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently amended): A rubber composition for magnetic encoder, which comprises ethylene-methyl acrylate copolymer rubber, magnetic powder and an amine-based vulcanizing agent.

Claim 2 (Original): A rubber composition for magnetic encoder, which comprises 100 parts by weight of ethylene-methyl acrylate copolymer rubber, 300-1,000 parts by weight of magnetic powder and 0.5-5 parts by weight of an amine-based vulcanizing agent.

Claim 3 (Previously presented): A rubber composition for magnetic encoder according to claim 1, wherein the magnetic powder is ferrite magnetic powder or rare earth metal magnetic powder, having a particle size of 0.5-10  $\mu\text{m}$ .

Claim 4 (Original): A rubber composition for magnetic encoder according to claim 3, wherein the magnetic powder is strontium ferrite magnetic powder or barium ferrite magnetic powder.

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**Claim 5 (Previously presented): A magnetic encoder obtained by vulcanization molding a rubber composition according to claim 1.**

**Claim 6 (Original): A magnetic encoder according to claim 5 in combination with a wheel speed sensor.**

**Claim 7 (Previously presented): A rubber composition for magnetic encoder according to claim 2, wherein the magnetic powder is ferrite magnetic powder or rare earth metal magnetic powder, having a particle size of 0.5-10  $\mu\text{m}$ .**

**Claim 8 (Previously presented): A rubber composition for magnetic encoder according to claim 7, wherein the magnetic powder is strontium ferrite magnetic powder or barium ferrite magnetic powder.**

**Claim 9 (Previously presented): A magnetic encoder obtained by vulcanization molding a rubber composition according to claim 2.**

**Claim 10 (Previously presented): A magnetic encoder according to claim 9 in combination with a wheel speed sensor.**